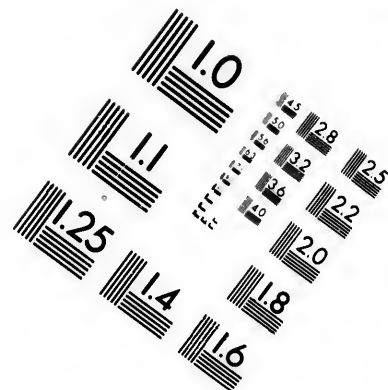
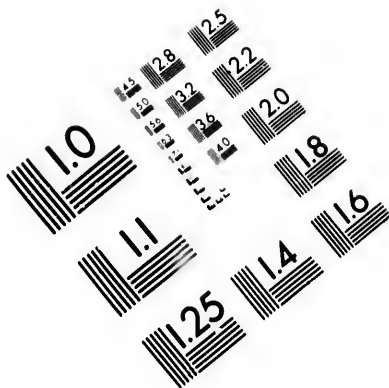
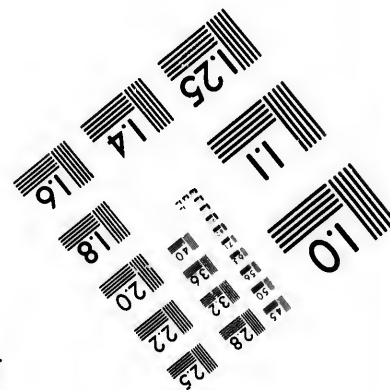
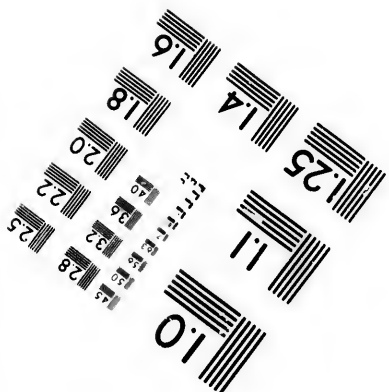
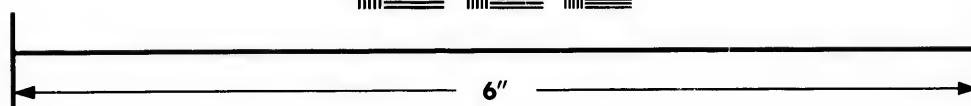
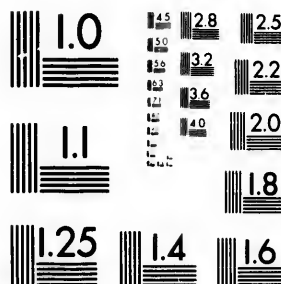




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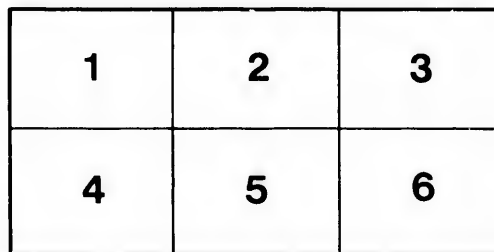
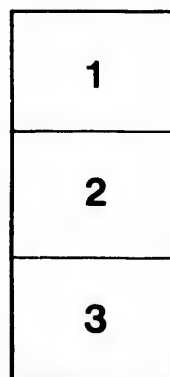
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# THE PLANTS OF THE EASTERN COAST OF LAKE HURON,

AND THEIR DISTRIBUTION THROUGH THE NORTHERN AND  
WESTERN PORTIONS OF BRITISH NORTH AMERICA.

BY JOHN GIBSON, B.A., F.G.S., F.B.S.E.; AND  
JOHN MACOON, M.A., *Botanist to the British Columbia Exploring Expedition of 1875.*

The following lists of plants collected or observed upon the eastern coast of Lake Huron, and the southern and western shores of the Georgian Bay, with their eastern and western ranges indicated by a dash (—) in the respective columns, though necessarily very imperfect in detail, are presented to the botanists of Ontario in the hope that they may be of service in elucidating some points in the Geographical Botany of Canada.

|                                                | Eastern<br>Ontario. | Lake<br>Superior | Western and North-western<br>Extension. |
|------------------------------------------------|---------------------|------------------|-----------------------------------------|
| RANUNCULACEÆ.                                  |                     |                  |                                         |
| <i>Clematis Virginiana</i> , L.                | —                   | —                | Rocky Mountains.                        |
| <i>Anemone Virginiana</i> , L.                 | —                   | —                | "                                       |
| " <i>Pennsylvanica</i> , L.                    | —                   | —                | "                                       |
| " <i>nemorosa</i> , L.                         | —                   | —                | "                                       |
| <i>Hepatica triloba</i> , Chaix.               | —                   | —                | Sitka Sound.                            |
| " <i>acutiloba</i> , D. C.                     | —                   | —                | "                                       |
| <i>Thalictrum anemonoides</i> , Mx.            | —                   | —                | Vancouver's Island.                     |
| " <i>dioicum</i> , L.                          | —                   | —                | Peace River valley.                     |
| " <i>Cornuti</i> , L.                          | —                   | —                |                                         |
| <i>Ranunculus aquatilis</i> , L., var.         | —                   | —                | Rocky Mountains.                        |
| <i>trichophyllus</i> , Chx.                    | —                   | —                | Kotzebue's Sound.                       |
| " <i>multifidus</i> , Pursh.                   | —                   | —                |                                         |
| " <i>Flammula</i> , L., var. <i>rep-</i>       | —                   | —                |                                         |
| <i>tans</i> .                                  | —                   | —                |                                         |
| " <i>rhomboides</i> , Goldie.                  | —                   | —                | North-West to lat. 57°.                 |
| " <i>abortivus</i> , L.                        | —                   | —                | McKenzie River to lat. 67° N.           |
| " <i>sceleratus</i> , L.                       | —                   | —                | Unalaska.                               |
| " <i>recurvatus</i> , Poir.                    | —                   | —                | Pacific coast.                          |
| " <i>Pennsylvanicus</i> , L.                   | —                   | —                |                                         |
| " <i>fascicularis</i> , Muhl.                  | —                   | —                | Peace River valley.                     |
| " <i>repens</i> , L.                           | —                   | —                | Vancouver's Island.                     |
| " <i>acris</i> , L.                            | —                   | —                | Pacific coast.                          |
| <i>Caltha palustris</i> , L.                   | —                   | —                | Sitka and Unalaska.                     |
| <i>Coptis trifolia</i> , Salisb.               | —                   | —                | Rocky Mountains.                        |
| <i>Aquilegia Canadensis</i> , L.               | —                   | —                | "                                       |
| <i>Actæa spicata</i> , L., var. <i>rubra</i> . | —                   | —                | "                                       |
| " <i>alba</i> , Bigel.                         | —                   | —                | "                                       |

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|                                                       | Eastern Lake<br>Ontario, Superior | Western and North-western<br>Extension. |
|-------------------------------------------------------|-----------------------------------|-----------------------------------------|
| MAGNOLIACEÆ                                           |                                   |                                         |
| Liriodendron Tulipifera, L.                           |                                   |                                         |
| MENISPERMACEÆ                                         |                                   |                                         |
| Menispermum Canadense, L.                             | —                                 | Saskatchewan plains.                    |
| BERBERIDACEÆ                                          |                                   |                                         |
| Canthophyllum thalictroides, Mx.                      | —                                 |                                         |
| Podophyllum peltatum, L.                              | —                                 |                                         |
| NYMPHÆACEÆ                                            |                                   |                                         |
| Brasenia peltata, Pursh.                              | —                                 | Rocky Mountains.                        |
| Nymphaea odorata, Ait.                                | —                                 | Pacific coast.                          |
| Nuphar advena, Ait.                                   | —                                 |                                         |
| SARRACENIACEÆ                                         |                                   |                                         |
| Sarracenia purpurea, L.                               | —                                 | Peace River valley.                     |
| PAPAVERACEÆ                                           |                                   |                                         |
| Chelidonium majus, L.                                 | —                                 |                                         |
| Sanguinaria Canadensis, L.                            | —                                 | Saskatchewan plains.                    |
| FUMARIACEÆ                                            |                                   |                                         |
| Adlumia cirrhosa, Raf.                                | —                                 |                                         |
| Dicentra cucullaria, D. C.                            | —                                 | North-West America.                     |
| " Canadensis, D. C.                                   | —                                 |                                         |
| Corydalis glauca, Pursh.                              | —                                 | Upper British Columbia.                 |
| " aurea, Willd.                                       | —                                 | Rocky Mountains.                        |
| CRUCIFERÆ                                             |                                   |                                         |
| Nasturtium officinale, R. Br.                         | —                                 | N. W. coast of America.                 |
| " palustre, D. C.                                     | —                                 | Pacific coast.                          |
| Dentaria diphylla, L.                                 | —                                 |                                         |
| " laciniata, Muhl.                                    | —                                 |                                         |
| Cardamine rhomboidea, D. C.,<br>var., purpurea, Torr. | —                                 |                                         |
| " pratensis, L.                                       | —                                 | North-West America.                     |
| " hirsuta, L.                                         | —                                 | Pacific coast.                          |
| Arabis lyrata, L.                                     | —                                 |                                         |
| " hirsuta, D. C.                                      | —                                 | Peace River valley.                     |
| " laevigata, D. C.                                    | —                                 |                                         |
| " Canadensis, L.                                      | —                                 |                                         |
| " perfoliata, L.                                      | —                                 | Rocky Mountains.                        |
| " Drummondii, Graham.                                 | —                                 | Pacific coast.                          |
| Barbarea vulgaris, R. Br.                             | —                                 | Pacific coast.                          |
| Erysimum cheiranthoides, L.                           | —                                 | Pacific coast.                          |
| Sisymbrium officinale, Scop.                          | —                                 | Vancouver's Island.                     |
| " caulescens, Nutt.                                   | —                                 | Rocky Mountains.                        |
| Brassica Sinapistrum, Bois.                           | —                                 |                                         |
| Camelina sativa, Crantz.                              | —                                 |                                         |
| Capsella bursa-pastoris, Moench                       | —                                 | Vancouver's Island.                     |
| Lepidium Virginicum, L.                               | —                                 | Rocky Mountains.                        |
| " intermedium, Gray.                                  | —                                 |                                         |

PLANTS OF THE EASTERN COAST OF LAKE HURON.

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|                                                    | Eastern<br>Ontario. | Lake<br>Superior | Western and North-western<br>Extension. |
|----------------------------------------------------|---------------------|------------------|-----------------------------------------|
| VIOLACEÆ.                                          |                     |                  |                                         |
| <i>Viola lanceolata</i> , L.                       | —                   | —                | Peace River valley.                     |
| " <i>blanda</i> , Willd.                           | —                   | —                | Arctic America.                         |
| " <i>encollata</i> , Ait.                          | —                   | —                |                                         |
| " <i>sagittata</i> , Ait.                          | —                   | —                |                                         |
| " <i>canina</i> , L. var. <i>sylvestris</i> , Reg. | —                   | —                | McKenzie River, lat. 59° N.             |
| " <i>rostrata</i> , Pursh.                         | —                   | —                | Pacific coast.                          |
| " <i>Canadensis</i> , L.                           | —                   | —                | Saskatchewan plains.                    |
| " <i>pubescens</i> , Ait.                          | —                   | —                |                                         |
| CISTACEÆ.                                          |                     |                  |                                         |
| <i>Helianthemum Canadense</i> , Michx.             | —                   | —                | Saskatchewan plains.                    |
| <i>Lechea minor</i> , Lane.                        | —                   | —                |                                         |
| <i>Hudsonia tomentosa</i> , Nutt.                  | —                   | —                | Little Slave Lake.                      |
| DROSERACEÆ.                                        |                     |                  |                                         |
| <i>Drosera rotundifolia</i> , L.                   | —                   | —                | Unalaska, Pacific coast.                |
| " <i>longifolia</i> , L.                           | —                   | —                |                                         |
| " <i>linearis</i> , Goldie.                        | —                   | —                | Jasper Lake, Rocky Mts.                 |
| HYPERICACEÆ.                                       |                     |                  |                                         |
| <i>Hypericum Canadense</i> , L.                    | —                   | —                |                                         |
| " <i>corymbosum</i> , Muhl.                        | —                   | —                |                                         |
| " <i>ellipticum</i> , Hooker.                      | —                   | —                |                                         |
| " <i>Kalmianum</i> , L.                            | —                   | —                |                                         |
| " <i>mutilum</i> , L.                              | —                   | —                |                                         |
| " <i>perforatum</i> , L.                           | —                   | —                | Saskatchewan plains.                    |
| " <i>pyramidatum</i> , Ait.                        | —                   | —                |                                         |
| <i>Elodea Virginica</i> , Nutt.                    | —                   | —                |                                         |
| CARYOPHYLLACEÆ.                                    |                     |                  |                                         |
| <i>Saponaria officinalis</i> , L.                  | —                   | —                |                                         |
| <i>Vaccaria vulgaris</i> , Host.                   | —                   | —                | Pacific coast.                          |
| <i>Silene antirrhina</i> , L.                      | —                   | —                |                                         |
| " <i>noctiflora</i> , L.                           | —                   | —                |                                         |
| <i>Agrostemma Githago</i> , L.                     | —                   | —                |                                         |
| <i>Lychnis vespertina</i> , Sibth.                 | —                   | —                |                                         |
| <i>Arenaria serpyllifolia</i> , L.                 | —                   | —                | Arctic Sea.                             |
| " <i>stricta</i> , Michx.                          | —                   | —                | Arctic coast.                           |
| " <i>lateriflora</i> , Fenzl.                      | —                   | —                | Little Slave Lake.                      |
| <i>Stellaria media</i> , Smith.                    | —                   | —                | Sitka Sound.                            |
| " <i>longifolia</i> , Muhl.                        | —                   | —                | Arctic America.                         |
| " <i>borealis</i> , Bigelow.                       | —                   | —                |                                         |
| <i>Cerastium vulgatum</i> , L.                     | —                   | —                |                                         |
| " <i>viscosum</i> , L.                             | —                   | —                | Pacific coast, Oregon.                  |
| " <i>arvense</i> , L.                              | —                   | —                |                                         |
| PORTULACACEÆ.                                      |                     |                  |                                         |
| <i>Portulaca oleracea</i> , L.                     | —                   | —                | Fort Francis, Dawson route.             |
| <i>Claytonia Virginica</i> , L.                    | —                   | —                |                                         |
| " <i>Caroliniana</i> , Michx.                      | —                   | —                | Rocky Mountains.                        |



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|-----------------------------------------|---------------------|------------------|-----------------------------------------|
| MALVACEÆ                                |                     |                  |                                         |
| <i>Malva rotundifolia</i> , L.          | —                   | —                |                                         |
| " <i>moschata</i> , L.                  | —                   | —                |                                         |
| <i>Abutilon Avicennæ</i> , Gaertn.      | —                   | —                |                                         |
| TILIACEÆ                                |                     |                  |                                         |
| <i>Tilia Americana</i> , L.             | —                   | —                | Rainy River, Dawson route               |
| LINACEÆ                                 |                     |                  |                                         |
| <i>Linum usitatissimum</i> , L.         | —                   | —                |                                         |
| " <i>striatum</i> , Walt.               | —                   | —                |                                         |
| GERANIACEÆ                              |                     |                  |                                         |
| <i>Geranium maculatum</i> , L.          | —                   | —                |                                         |
| " <i>Robertianum</i> , L.               | —                   | —                |                                         |
| " <i>Carolinianum</i> .                 | —                   | —                | W. of Rocky Mts. lat. 55° N             |
| <i>Impatiens pallida</i> , Nutt.        | —                   | —                | Pacific coast, Oregon.                  |
| " <i>fulva</i> , Nutt.                  | —                   | —                | British America, lat. 66° N             |
| <i>Oxalis Acetosella</i> , L.           | —                   | —                |                                         |
| " <i>stricta</i> , L.                   | —                   | —                | West of Rocky Mountains                 |
| RUTACEÆ                                 |                     |                  |                                         |
| <i>Xanthoxylum Americanum</i> .         | —                   | —                |                                         |
| Mill.                                   | —                   | —                |                                         |
| ANACARDIACEÆ                            |                     |                  |                                         |
| <i>Rhus typhina</i> , L.                | —                   | —                |                                         |
| " <i>glabra</i> , L.                    | —                   | —                | Saskatchewan plains.                    |
| " <i>Toxicodendron</i> , L.             | —                   | —                | N. W. America, Rocky Mts.               |
| " <i>aromatica</i> , Ait.               | —                   | —                | Saskatchewan River.                     |
| VITACEÆ                                 |                     |                  |                                         |
| <i>Vitis cordifolia</i> , Michx.        | —                   | —                |                                         |
| " <i>riparia</i> , Michx.               | —                   | —                |                                         |
| <i>Ampelopsis quinquefolia</i> , Michx. | —                   | —                |                                         |
| RHAMNACEÆ                               |                     |                  |                                         |
| <i>Rhamnus alnifolia</i> , L'Her.       | —                   | —                | Hudson's Bay.                           |
| <i>Ceanothus Americanus</i> , L.        | —                   | —                |                                         |
| " <i>ovalis</i> , Bigel.                | —                   | —                |                                         |
| CELASTRACEÆ                             |                     |                  |                                         |
| <i>Celastrus scandens</i> , L.          | —                   | —                |                                         |
| <i>Enonymus atropurpureus</i> , Jacq.   | —                   | —                |                                         |
| " <i>Americanus</i> , L., var.          | —                   | —                |                                         |
| obovatus.                               | —                   | —                |                                         |
| SAPINDACEÆ                              |                     |                  |                                         |
| <i>Staphylea trifolia</i> , L.          | —                   | —                |                                         |
| <i>Acer Pennsylvanicum</i> , L.         | —                   | —                | British America, lat. 51° N.            |
| " <i>spicatum</i> , Lam.                | —                   | —                | British America, lat. 51° N.            |
| " <i>saccharinum</i> , Wang.            | —                   | —                |                                         |
| " <i>dasycarpum</i> , Ehr.              | —                   | —                |                                         |
| " <i>rubrum</i> , L.                    | —                   | —                | Oregon.                                 |

HURON.

and North-western  
Extension.

er, Dawson route

cky Mts. lat. 55° N

st, Oregon.

merica, lat. 66° N

Rocky Mountains

wan plains.

merica, Rocky Mts.

wan River.

Bay.

merica, lat. 51° N.

merica, lat. 51° N.

PLANTS OF THE EASTERN COAST OF LAKE HURON.

5

|                                                                | Eastern<br>Ontario | Lake<br>Superior | Western and North-western<br>Extension.                   |
|----------------------------------------------------------------|--------------------|------------------|-----------------------------------------------------------|
| POLYGALACEÆ                                                    |                    |                  |                                                           |
| <i>Polygala Senega</i> , L.                                    | —                  | —                | Saskatchewan plains.                                      |
| " <i>paucifolia</i> , Willd.                                   | —                  | —                | Saskatchewan plains.                                      |
| " <i>polygama</i> , Walt.                                      | —                  | —                |                                                           |
| LEGUMINOSÆ                                                     |                    |                  |                                                           |
| <i>Lupinus perennis</i> , L.                                   | —                  | —                | Behring's Strait and Arctic c.                            |
| <i>Trifolium pratense</i> , L.                                 | —                  | —                |                                                           |
| " <i>hybridum</i> , L.                                         | —                  | —                |                                                           |
| " <i>repens</i> , L.                                           | —                  | —                |                                                           |
| <i>Melilotus alba</i> , Lam.                                   | —                  | —                |                                                           |
| <i>Medicago sativa</i> , L.                                    | —                  | —                |                                                           |
| " <i>lupulina</i> , L.                                         | —                  | —                |                                                           |
| <i>Robinia Pseudacacia</i> , L.                                | —                  | —                |                                                           |
| " <i>viscosa</i> , Bent.                                       | —                  | —                | Rocky Mountains, lat. 58° N.                              |
| <i>Astragalus Canadensis</i> , L.                              | —                  | —                |                                                           |
| " <i>Cooperi</i> , Gray.                                       | —                  | —                |                                                           |
| <i>Desmodium nudiflorum</i> , D. C.                            | —                  | —                |                                                           |
| " <i>acuminatum</i> , D. C.                                    | —                  | —                |                                                           |
| " <i>cuspidatum</i> , L. & G.                                  | —                  | —                |                                                           |
| " <i>Canadense</i> , D. C.                                     | —                  | —                |                                                           |
| <i>Lespedeza hirta</i> , Ell.                                  | —                  | —                |                                                           |
| " <i>capitata</i> , Michx.                                     | —                  | —                |                                                           |
| <i>Vicia sativa</i> , L.                                       | —                  | —                | Rocky Mountains, lat. 67° N.                              |
| " <i>Americana</i> , Muhl.                                     | —                  | —                | Kotzebue's Sound, Arctic Am.                              |
| <i>Lathyrus maritimus</i> , Bigel.                             | —                  | —                | Bear Lake, lat. 67° N.                                    |
| " <i>ochroleucus</i> , Hook.                                   | —                  | —                | Oregon and N. to lat. 55° N.                              |
| " <i>palustris</i> , L.                                        | —                  | —                |                                                           |
| " <i>palustris</i> , L., var. <i>myr-</i><br><i>tifolius</i> . | —                  | —                |                                                           |
| <i>Apios tuberosa</i> , Moench.                                | —                  | —                | Woods of the Rocky Mts.                                   |
| <i>Amphicarpea monoica</i> , Nutt.                             | —                  | —                |                                                           |
| ROSACEÆ                                                        |                    |                  |                                                           |
| <i>Prunus Americana</i> , Marsh.                               | —                  | —                | Saskatchewan valley.                                      |
| " <i>pumila</i> , L.                                           | —                  | —                | Saskatchewan & Hudson's Bay.                              |
| " <i>Pennsylvanica</i> , L.                                    | —                  | —                | Rocky Mountains, lat. 57° N.                              |
| " <i>Virginiana</i> , L.                                       | —                  | —                | Great Slave Lake, lat. 62°, and<br>west to the Rocky Mts. |
| " <i>scrotina</i> , Ehr.                                       | —                  | —                | Saskatchewan plains.                                      |
| <i>Spiraea opulifolia</i> , L.                                 | —                  | —                | Saskatchewan plains.                                      |
| " <i>salicifolia</i> , L.                                      | —                  | —                |                                                           |
| <i>Agrimonia Eupatoria</i> , L.                                | —                  | —                |                                                           |
| <i>Cicum album</i> , Gmelin.                                   | —                  | —                | Rocky Mountains, lat. 56° N.                              |
| " <i>strictum</i> , Ait.                                       | —                  | —                | Rocky Mountains, lat. 55° N.                              |
| " <i>rivale</i> , L.                                           | —                  | —                | Rocky Mountains, lat. 56° N.                              |
| " <i>triflorum</i> , Pursh.                                    | —                  | —                |                                                           |
| <i>Waldsteinia fragarioides</i> , Tratt.                       | —                  | —                | Arctic America to Sitka Sound                             |
| <i>Potentilla Norvegica</i> , L.                               | —                  | —                |                                                           |
| " <i>Canadensis</i> , L.                                       | —                  | —                |                                                           |
| " <i>argentea</i> , L.                                         | —                  | —                | Rocky Mountains, lat. 65° N.                              |
| " <i>arguta</i> , Pursh                                        | —                  | —                | Arctic America to Pacific c.                              |
| " <i>anserina</i> , L.                                         | —                  | —                | Kotzebue's Sound.                                         |
| " <i>fruticosa</i> , L.                                        | —                  | —                | Pacific coast, Kotzebue's Sound                           |
| " <i>palustris</i> , Scop.                                     | —                  | —                |                                                           |

|                                                           | Eastern<br>Ontario | Lake<br>Superior | Western and North-western<br>Extension.   |
|-----------------------------------------------------------|--------------------|------------------|-------------------------------------------|
| <i>Fragaria Virginiana</i> , Ehrh.                        | —                  | —                | North-West coast, lat. 64° N.             |
| " <i>vesca</i> , L.                                       | —                  | —                | North-West coast, lat. 64° N.             |
| <i>Dalibarda repens</i> , L.                              | —                  | —                | Saskatchewan plains.                      |
| <i>Rubus odoratus</i> , L.                                | —                  | —                | Rocky Mountains, lat. 56° N.              |
| " <i>triflorus</i> , Rich.                                | —                  | —                | Rocky Mountains, lat. 56° N.              |
| " <i>strigosus</i> , Michx.                               | —                  | —                |                                           |
| " <i>neglectus</i> , Peck.                                | —                  | —                |                                           |
| " <i>occidentalis</i> , L.                                | —                  | —                |                                           |
| " <i>villosus</i> , Ait.                                  | —                  | —                |                                           |
| " <i>hispidus</i> , L.                                    | —                  | —                |                                           |
| <i>Rosa Carolina</i> , L.                                 | —                  | —                |                                           |
| " <i>blanda</i> , Ait.                                    | —                  | —                | Bear Lake, lat. 67° N.                    |
| " <i>rubiginosa</i> , L.                                  | —                  | —                |                                           |
| <i>Crataegus coccinea</i> , L.                            | —                  | —                |                                           |
| " <i>tomentosa</i> , L. var. <i>punctata</i> , Gray.      | —                  | —                |                                           |
| " <i>Crus-Galli</i> , L.                                  | —                  | —                |                                           |
| <i>Pyrus coronaria</i> , L.                               | —                  | —                |                                           |
| " <i>arbutifolia</i> , L. var. <i>melanocarpa</i> , Gray. | —                  | —                | Saskatchewan plains.                      |
| " <i>Americana</i> , D. C.                                | —                  | —                | Sub-Arctic America & N.W. c.              |
| <i>Amelanchier Canadensis</i> , T. & G.                   | —                  | —                | Sub-Arctic America.                       |
| var. <i>Botryapium</i> , Gray.                            | —                  | —                |                                           |
| " var. <i>oblongifolia</i> , Gray.                        | —                  | —                | Sub-Arctic America, lat. 56° N.           |
| SAXIFRAGACEÆ.                                             |                    |                  |                                           |
| <i>Ribes Cynosbati</i> , L.                               | —                  | —                | Rocky Mountains.                          |
| " <i>hirtellum</i> , Michx.                               | —                  | —                | Saskatchewan plains.                      |
| " <i>laetevirens</i> , Poir.                              | —                  | —                | N. and W. to the Arctic circle.           |
| " <i>prostratum</i> , L'Her.                              | —                  | —                | W. America to lat. 57° N.                 |
| " <i>floridum</i> , L.                                    | —                  | —                | Rocky Mountains, lat. 56° N.              |
| " <i>rubrum</i> , L.                                      | —                  | —                | North of the Arctic circle.               |
| " <i>oxyacanthoides</i> , L.                              | —                  | —                | Rocky Mountains, lat. 56° N.              |
| " <i>Parnassia parviflora</i> , D. C.                     | —                  | —                | Rocky Mountains, lat. 53° N.              |
| " <i>Caroliniana</i> , Mx.                                | —                  | —                |                                           |
| <i>Saxifraga Virginiana</i> , Mx.                         | —                  | —                | Rocky Mountains, lat. 56° N.              |
| <i>Mitella diphylla</i> , L.                              | —                  | —                |                                           |
| " <i>nuda</i> , L.                                        | —                  | —                | West of Rocky Mountains, and [Arctic Sea. |
| <i>Tiarella cordifolia</i> , L.                           | —                  | —                |                                           |
| <i>Chrysosplenium Americanum</i> , L.                     | —                  | —                | Saskatchewan valley.                      |
| CRASSULACEÆ.                                              |                    |                  |                                           |
| <i>Penthorum sedoides</i> , L.                            | —                  | —                |                                           |
| <i>Sedum Telephium</i> , L.                               | —                  | —                |                                           |
| HAMAMELACEÆ.                                              |                    |                  |                                           |
| <i>Hamamelis Virginica</i> , L.                           | —                  | —                |                                           |
| HALORAGACEÆ.                                              |                    |                  |                                           |
| <i>Myriophyllum spicatum</i> , L.                         | —                  | —                | Bear Lake, lat. 57° N.                    |
| " <i>heterophyllum</i> , Mx.                              | —                  | —                |                                           |
| <i>Proserpinaca palustris</i> , L.                        | —                  | —                |                                           |
| <i>Hippuris vulgaris</i> , L.                             | —                  | —                | Sub-Arctic America, Sitka Id.             |

## PLANTS OF THE EASTERN COAST OF LAKE HERON.

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e America, Sitka Sd.

|                                                                | Eastern Lake<br>Ontario, Superior | Western and North-western<br>Extension. |
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| ONAGRACEÆ.                                                     |                                   |                                         |
| <i>Circea luteoliana</i> , L.                                  | —                                 | —                                       |
| " <i>Alpina</i> , L.                                           | —                                 | —                                       |
| <i>Epilobium angustifolium</i> , L.                            | —                                 | Arctic America to lat. 69° N.           |
| " var. <i>canescens</i> , Wood.                                | —                                 | —                                       |
| " <i>palustre</i> , var. <i>lineare</i> .                      | —                                 | Arctic America.                         |
| " <i>coloratum</i> , Muhl.                                     | —                                 | Rocky Mountains, lat. 56° N.            |
| " <i>paniculatum</i> , Nutt.                                   | —                                 | Straits of De Fuca, Pacific c.          |
| <i>Eurothera bicoloris</i> , L.                                | —                                 | —                                       |
| var. <i>muricata</i> , Gray.                                   | —                                 | Rocky Mountains, lat. 56° N.            |
| var. <i>grandiflora</i> , Gray.                                | —                                 | Rocky Mountains, lat. 56° N.            |
| <i>Eurothera pumila</i> , L.                                   | —                                 | Hudson's Bay.                           |
| <i>Ludwigia palustris</i> .                                    | —                                 | Saskatchewan plains.                    |
| UMBELLIFERÆ.                                                   |                                   |                                         |
| <i>Hydrocotyle Americana</i> , L.                              | —                                 | —                                       |
| <i>Sanicula Marilandica</i> , L.                               | —                                 | Oregon; Pacific c. lat 56° N.           |
| <i>Daucus Carota</i> , L.                                      | —                                 | —                                       |
| <i>Heraclium lanatum</i> , Mx.                                 | —                                 | Rocky Mts. and Pacific coast.           |
| <i>Pastinaca sativa</i> , L.                                   | —                                 | —                                       |
| <i>Archangelica atropurpurea</i> , Hof.                        | —                                 | —                                       |
| <i>Thaspium aureum</i> , Nutt, var.,<br><i>apterum</i> , Gray. | —                                 | —                                       |
| <i>Zizia integrifolia</i> , D. C.                              | —                                 | Oregon, Pacific coast.                  |
| <i>Cheuta maculata</i> , L.                                    | —                                 | —                                       |
| " <i>bulbifera</i> , L.                                        | —                                 | —                                       |
| <i>Sium lineare</i> , Michx.                                   | —                                 | Lake of Woods, Dawson route.            |
| <i>Cryptotenaria Canadensis</i> , D. C.                        | —                                 | —                                       |
| <i>Osmorrhiza longistylis</i> , D. C.                          | —                                 | Rocky Mountains, lat. 56° N.            |
| " <i>brevistylis</i> , D. C.                                   | —                                 | Oregon, Sitka, Unalaska.                |
| <i>Erigenia bulbosa</i> , Nutt.                                | —                                 | —                                       |
| ARALIACEÆ.                                                     |                                   |                                         |
| <i>Aralia racemosa</i> , L.                                    | —                                 | Rocky Mountains, lat. 54° N.            |
| " <i>hispida</i> , Michx.                                      | —                                 | Hudson's Bay. Lake of Woods.            |
| " <i>nudicaulis</i> , L.                                       | —                                 | Pence River valley, lat. 56° N.         |
| " <i>quinquefolia</i> , Gray.                                  | —                                 | —                                       |
| " <i>trifolia</i> , Gray.                                      | —                                 | —                                       |
| CORNACEÆ.                                                      |                                   |                                         |
| <i>Cornus Canadensis</i> , L.                                  | —                                 | Pacific coast, Unalaska.                |
| " <i>florida</i> , L.                                          | —                                 | —                                       |
| " <i>circinata</i> , L'Her.                                    | —                                 | Lake of Woods, Dawson route.            |
| " <i>sericea</i> , L.                                          | —                                 | N. W. coast, Vancouver's Isl.           |
| " <i>stolonifera</i> , L.                                      | —                                 | Rocky Mts. & McKenzie River.            |
| " <i>paniculata</i> , L'Her.                                   | —                                 | —                                       |
| " <i>alternifolia</i> , L.                                     | —                                 | Lake of the Woods.                      |
| CAPRIFOLIACEÆ.                                                 |                                   |                                         |
| <i>Linnaea borealis</i> , Gronov.                              | —                                 | Arctic circle, Kotzebue's Sd.           |
| <i>Symphoricarpos racemosus</i> , Mx.                          | —                                 | North-West coast.                       |
| <i>Lonicera parviflora</i> , Lam.                              | —                                 | Rocky Mountains, lat. 53° N.            |
| " var. <i>Douglasii</i> .                                      | —                                 | Rocky Mountains, lat. 56° N.            |
| " <i>hirsuta</i> , Eaton.                                      | —                                 | Edmonton, on Saskatchewan. R.           |

|                                           | Eastern<br>Ontario | Lake<br>Superior | Western and North-western<br>Extension. |
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| <i>Lonicera eiliata</i> , Muhl.           | —                  | —                | Saskatchewan valley.                    |
| " <i>oblongifolia</i> , Muhl.             | —                  | —                | Saskatchewan valley.                    |
| <i>Diervilla trifida</i> , Moench.        | —                  | —                | Rocky Mts. & Hudson's Bay.              |
| <i>Triosteum perfoliatum</i> , L.         | —                  | —                |                                         |
| <i>Sambucus Canadensis</i> , L.           | —                  | —                |                                         |
| " <i>pubens</i> , Michx.                  | —                  | —                | Rocky Mts. Oregon and Sitka.            |
| <i>Viburnum Lentago</i> , L.              | —                  | —                | Saskatchewan valley.                    |
| " <i>pubescens</i> , Pursh.               | —                  | —                | Lake Winnipeg, lat. 51° N.              |
| " <i>acerifolium</i> , L.                 | —                  | —                |                                         |
| " <i>Opulus</i> , L.                      | —                  | —                | Arctic circle and Rocky Mts.            |
| RUBIACEÆ                                  |                    |                  |                                         |
| <i>Galium Aparius</i> , L.                | —                  | —                | Oregon, Pacific coast.                  |
| " <i>asprellum</i> , Michx.               | —                  | —                | Lake of Woods, Dawson route.            |
| " <i>trifidum</i> , L.                    | —                  | —                | Oregon, Unalaska, Sitka.                |
| " <i>triflorum</i> , Michx.               | —                  | —                | Unalaska, Sitka, Oregon, Cal.           |
| " <i>lanceolatum</i> , Torrey.            | —                  | —                |                                         |
| " <i>boreale</i> , L.                     | —                  | —                | Oregon, North to Arctic circle.         |
| <i>Cephalanthus occidentalis</i> , L.     | —                  | —                |                                         |
| <i>Mitchella repens</i> , L.              | —                  | —                |                                         |
| <i>Houstonia purpurea</i> , L., var.      | —                  | —                |                                         |
| <i>longifolia</i> , Gray.                 | —                  | —                | Saskatchewan valley.                    |
| <i>Valeriana edulis</i> , Nutt.           | —                  | —                | Oregon and the Rocky Mts.               |
| COMPOSITEÆ                                |                    |                  |                                         |
| <i>Liatris cylindracea</i> , Michx.       | —                  | —                | North-West Territory.                   |
| " <i>squarrosa</i> , Willd.               | —                  | —                | Edmonton, on Saskatchewan.              |
| <i>Eupatorium purpureum</i> , L.          | —                  | —                | Saskatchewan valley.                    |
| " <i>perfoliatum</i> , L.                 | —                  | —                |                                         |
| " <i>ageratoides</i> , L.                 | —                  | —                |                                         |
| <i>Aster corymbosus</i> , Ait.            | —                  | —                |                                         |
| " <i>macrophyllus</i> , L.                | —                  | —                | Saskatchewan valley.                    |
| " <i>laevis</i> , var. <i>levigatus</i> , | —                  | —                |                                         |
| T. & G.                                   | —                  | —                | Lake of the Woods and Saskat-           |
| " <i>laevis</i> , var. <i>cyaneus</i> ,   | —                  | —                | chewan River.                           |
| T. & G.                                   | —                  | —                | Saskatchewan valley.                    |
| " <i>azureus</i> , Lindley.               | —                  | —                |                                         |
| " <i>undulatus</i> , L.                   | —                  | —                |                                         |
| " <i>sagittifolius</i> , Willd.           | —                  | —                |                                         |
| " <i>cordifolius</i> , L.                 | —                  | —                |                                         |
| " <i>borealis</i> , Provancher.           | —                  | —                | Saskatchewan valley.                    |
| " <i>multiflorus</i> , Ait.               | —                  | —                | Rocky Mountains, lat. 56° N.            |
| " <i>miser</i> , L., Ait.                 | —                  | —                |                                         |
| " <i>simplex</i> , Willd.                 | —                  | —                |                                         |
| " <i>pumilus</i> , L.                     | —                  | —                | Hudson's Bay to Rocky Mts.              |
| " <i>Novae-Angliae</i> , L.               | —                  | —                |                                         |
| " <i>ptarmicoides</i> , T. & G.           | —                  | —                | Saskatchewan valley.                    |
| <i>Erigeron Canadensis</i> , L.           | —                  | —                | Saskatchewan valley.                    |
| " <i>Philadelphicum</i> , L.              | —                  | —                | Arctic circle, Behring's Strait.        |
| " <i>annuum</i> , Pers.                   | —                  | —                |                                         |
| " <i>strigosum</i> , Muhl.                | —                  | —                | Oregon.                                 |
| <i>Diplopappus umbellatus</i> , T. & G.   | —                  | —                |                                         |
| <i>Solidago bicolor</i> , L.              | —                  | —                | Saskatchewan valley.                    |
| " <i>latifolia</i> , L.                   | —                  | —                |                                         |

## PLANTS OF THE EASTERN COAST OF LAKE HURON.

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| <i>Solidago cusia</i> , L.                                  | —                  | —                | Hudson's Bay & McKenzie Riv.               |
| " <i>stricta</i> , Ait.                                     | —                  | —                | Sub-Arctic America.                        |
| " <i>Houghtonii</i> , T. & G.                               | —                  | —                |                                            |
| " <i>arguta</i> , Ait.                                      | —                  | —                |                                            |
| " <i>Muhlenbergii</i> , T. & G.                             | —                  | —                |                                            |
| " <i>altissima</i> , L.                                     | —                  | —                | Saskatchewan valley.                       |
| " <i>memoralis</i> , Ait.                                   | —                  | —                | Sub-Arctic America to Oregon.              |
| " <i>Canadensis</i> , L.                                    | —                  | —                | Sub-Arctic America to Oregon.              |
| " <i>serotina</i> , Ait.                                    | —                  | —                | Sub-Arctic America.                        |
| " <i>lanceolata</i> , L.                                    | —                  | —                |                                            |
| <i>Inula Helenium</i> , L.                                  | —                  | —                |                                            |
| <i>Androsia artemisiifolia</i> , L.                         | —                  | —                | Saskatchewan plains.                       |
| <i>Rudbeckia hirta</i> , L.                                 | —                  | —                |                                            |
| <i>Helianthus strumosus</i> , L.                            | —                  | —                | Saskatchewan plains.                       |
| " <i>divaricatus</i> , L.                                   | —                  | —                |                                            |
| " <i>decapetalus</i> , L.                                   | —                  | —                |                                            |
| <i>Coreopsis lanceolata</i> , L.                            | —                  | —                |                                            |
| <i>Bidens frondosa</i> , L.                                 | —                  | —                |                                            |
| " <i>connata</i> , Muhl.                                    | —                  | —                | Little Slave Lake, lat. 54° N.             |
| " <i>chrysanthemoides</i> , Mx.                             | —                  | —                | Sub-Arctic America to Oregon.              |
| " <i>Beckii</i> , Torrey.                                   | —                  | —                |                                            |
| <i>Helenium autumnale</i> , L.                              | —                  | —                |                                            |
| <i>Maruta Cotula</i> , D. C.                                | —                  | —                | Rocky Mts. to Arctic circle.               |
| <i>Achillea Millefolium</i> , L.                            | —                  | —                | Oregon.                                    |
| <i>Leucanthemum vulgare</i> , Lam.                          | —                  | —                |                                            |
| <i>Tanacetum vulgare</i> , L.                               | —                  | —                | Hudson's Bay West to Oregon.               |
| " <i>Huronense</i> , Nutt.                                  | —                  | —                |                                            |
| <i>Artemisia vulgaris</i> , L.                              | —                  | —                | Oregon to the Arctic circle.               |
| " <i>Canadensis</i> , Mx.                                   | —                  | —                | McKenzie River & Rocky Mts.                |
| " <i>biennis</i> , Willd.                                   | —                  | —                |                                            |
| " <i>Absinthium</i> , L.                                    | —                  | —                |                                            |
| <i>Gnaphalium decurrens</i> , Ives.                         | —                  | —                | Oregon.                                    |
| " <i>polyccephalum</i> , Michx.                             | —                  | —                | Rocky Mts. Unalaska & Oregon.              |
| " <i>uliginosum</i> , L.                                    | —                  | —                | Rocky Mountains.                           |
| <i>Antennaria margaritacea</i> , R. Br.                     | —                  | —                | Saskatchewan valley.                       |
| " <i>plantaginifolia</i> , Hook.                            | —                  | —                |                                            |
| <i>Erechtites hieracifolia</i> , Raf.                       | —                  | —                |                                            |
| <i>Cacalia tuberosa</i> , Nutt.                             | —                  | —                | Hudson's Bay.                              |
| <i>Senecio vulgaris</i> , L.                                | —                  | —                |                                            |
| " <i>aureus</i> , L., var. <i>lanceo-</i><br><i>latus</i> . | —                  | —                | Rocky Mountains.                           |
| <i>Centaurea Cyanus</i> , L.                                | —                  | —                |                                            |
| <i>Cirsium lanceolatum</i> , Scop.                          | —                  | —                | Oregon.                                    |
| " <i>undulatum</i> , Spreng.                                | —                  | —                |                                            |
| " <i>discolor</i> , Spreng.                                 | —                  | —                | Saskatchewan valley.                       |
| " <i>muticum</i> , Michx.                                   | —                  | —                | Saskatchewan valley.                       |
| " <i>arvense</i> , Scop.                                    | —                  | —                |                                            |
| <i>Lappa major</i> , Gaertn.                                | —                  | —                |                                            |
| <i>Lapsana communis</i> , L.                                | —                  | —                |                                            |
| <i>Cichorium Intybus</i> , L.                               | —                  | —                | McKenzie River, lat. 66° N. to<br>[Oregon. |
| <i>Hieracium Canadense</i> , Michx.                         | —                  | —                |                                            |
| " <i>scabrum</i> , Michx.                                   | —                  | —                |                                            |
| <i>Nabalus albus</i> , Hooker.                              | —                  | —                |                                            |
| " <i>altissimus</i> , Hooker.                               | —                  | —                |                                            |

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|---------------------------------------|--------------------|------------------|-----------------------------------------|
| <i>Nabalus racemosus</i> , Hooker.    | —                  | —                | N. to lat. 56° in Peace River v.        |
| <i>Taraxacum Dens-leonis</i> , Desf.  | —                  | —                | Pacific coast.                          |
| <i>Lactuca elongata</i> , Muhl.       | —                  | —                | Saskatchewan valley.                    |
| <i>Mulgedium leucophleum</i> , D. C.  | —                  | —                | Oregon and Saskatchewan v.              |
| <i>Sonchus oleraceus</i> , L.         | —                  | —                | Saskatchewan valley.                    |
| “ <i>asper</i> , Vill.                | —                  | —                | Oregon.                                 |
| LOBELIACEE.                           |                    |                  |                                         |
| <i>Lobelia cardinalis</i> , L.        | —                  | —                | Saskatchewan valley.                    |
| “ <i>syphilitica</i> , L.             | —                  | —                |                                         |
| “ <i>inflata</i> , L.                 | —                  | —                | Saskatchewan v. & Hud. Bay.             |
| “ <i>spicata</i> , Lam.               | —                  | —                | Peace River valley, lat. 56° N.         |
| “ <i>Kalmii</i> , L.                  | —                  | —                | N. to lat. 60°, McKenzie River.         |
| CAMPANULACEE.                         |                    |                  |                                         |
| <i>Campanula rotundifolia</i> , L.    | —                  | —                | N. to lat. 64°, McKenzie River.         |
| “ var. <i>linifolia</i> , Gray.       | —                  | —                | North-West coast to lat. 64°.           |
| “ <i>aparinoides</i> , Pursh.         | —                  | —                | Saskatchewan valley.                    |
| “ <i>Americana</i> , L.               | —                  | —                |                                         |
| ERICACEE.                             |                    |                  |                                         |
| <i>Gaylussacia resinosa</i> , T. & G. | —                  | —                | Saskatchewan valley.                    |
| <i>Vaccinium Oxycoccus</i> , L.       | —                  | —                | Rocky Mountains, lat. 56° N.            |
| “ <i>macrocarpon</i> , Ait.           | —                  | —                | Pacific coast.                          |
| “ <i>Pennsylvanicum</i> , L.          | —                  | —                | Saskatchewan valley.                    |
| “ <i>Canadense</i> , Kalm.            | —                  | —                |                                         |
| “ <i>Corymbosum</i> , L.              | —                  | —                |                                         |
| <i>Chiochens hispidula</i> , T. & G.  | —                  | —                | Rocky Mt. summits, lat. 54° N.          |
| <i>Arctostaphylos Uva-ursi</i> , Lp.  | —                  | —                | Pacific coast.                          |
| <i>Epigaea repens</i> , L.            | —                  | —                | Saskatchewan plains.                    |
| <i>Gaultheria procumbens</i> , L.     | —                  | —                |                                         |
| <i>Cassandra calyculata</i> , Don.    | —                  | —                | N. to lat. 60°, & W. to Rocky Mts.      |
| <i>Andromeda polifolia</i> , L.       | —                  | —                | Arctic sea shore.                       |
| <i>Kalmia glauca</i> , Ait.           | —                  | —                | N. to lat. 60°, and near Pacific c.     |
| <i>Ledum latifolium</i> , Ait.        | —                  | —                | Pacific coast to lat. 59° N.            |
| <i>Pyrola rotundifolia</i> , L., var. | —                  | —                |                                         |
| “ <i>fuliginosa</i> , Gray.           | —                  | —                | Bear Lake, lat. 67° N.                  |
| “ <i>rotundifolia</i> , L., var.      | —                  | —                |                                         |
| “ <i>lasarifolia</i> , Gray.          | —                  | —                | Bear Lake, lat. 67° N.                  |
| “ <i>elliptica</i> , Nutt.            | —                  | —                | Saskatchewan valley.                    |
| “ <i>chlorantha</i> , Swartz.         | —                  | —                | Bear Lake, lat. 67° N.                  |
| “ <i>secunda</i> , L.                 | —                  | —                | Shores of Pacific.                      |
| <i>Moneses uniflora</i> , Gray.       | —                  | —                | N. to lat. 64°, & W. to Vancouver.      |
| <i>Chimaphila umbellata</i> , Nutt.   | —                  | —                | Rocky Mountains in lat. 53° N.          |
| <i>Monotropa uniflora</i> , L.        | —                  | —                |                                         |
| <i>Monotropa Hypopitys</i> , L.       | —                  | —                |                                         |
| AQUIFOLIACEE.                         |                    |                  |                                         |
| <i>Ilex verticillata</i> , Gray.      | —                  | —                |                                         |
| <i>Nemopanthes Canadensis</i> , D. C. | —                  | —                |                                         |
| PLANTAGINACEE.                        |                    |                  |                                         |
| <i>Plantago major</i> , L.            | —                  | —                | N. to lat 68° on the McKenzie.          |
| “ <i>lanccolata</i> , L.              | —                  | —                |                                         |

PLANTS OF THE EASTERN COAST OF LAKE HURON.

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|                                                                  | Eastern<br>Ontario | Lake<br>Superior | Western and North-western<br>Extension.      |
|------------------------------------------------------------------|--------------------|------------------|----------------------------------------------|
| PRIMULACEÆ                                                       |                    |                  |                                              |
| <i>Primula farinosa</i> , L.                                     | —                  | —                | N. to lat. 55° on the McKenzie.              |
| " <i>Mistassinica</i> , Michx.                                   | —                  | —                | Great Bear Lake, lat. 67° N.                 |
| <i>Trientalis Americana</i> , Pursh.                             | —                  | —                | Saskatchewan valley.                         |
| <i>Lysimachia thysiflora</i> , L.                                | —                  | —                | McKenzie River, lat. 60° N.                  |
| " <i>stricta</i> , Ait.                                          | —                  | —                | Saskatchewan valley.                         |
| " <i>quadrifolia</i> , Ait.                                      | —                  | —                | Puget Sound, Pacific coast.                  |
| " <i>ciliata</i> , L.                                            | —                  | —                |                                              |
| " <i>longifolia</i> , Pursh.                                     | —                  | —                |                                              |
| <i>Samolus Valerandi</i> , L., var.<br><i>Americanus</i> , Gray. | —                  | —                | North-West coast.                            |
| LENTIBULACEÆ                                                     |                    |                  |                                              |
| <i>Utricularia vulgaris</i> , L.                                 | —                  | —                | Lakes near the Rocky Mts.                    |
| " <i>intermedia</i> , Hayne.                                     | —                  | —                | Bear Lake, lat. 67° N. & Rocky<br>Mountains. |
| " <i>cornuta</i> , Michx.                                        | —                  | —                | McKenzie River, lat. 60° N.                  |
| <i>Pinguicula vulgaris</i> , L.                                  | —                  | —                |                                              |
| OROBANCHACEÆ                                                     |                    |                  |                                              |
| <i>Epiphegus Virginiana</i> , Bart.                              | —                  | —                |                                              |
| <i>Conopholis Americana</i> , Wallr.                             | —                  | —                |                                              |
| SOROPHULARIACEÆ                                                  |                    |                  |                                              |
| <i>Verbasum Thapsus</i> , L.                                     | —                  | —                | Saskatchewan valley.                         |
| " <i>Blattaria</i> , L.                                          | —                  | —                |                                              |
| <i>Linaria vulgaris</i> , Mill.                                  | —                  | —                | Pacific coast.                               |
| <i>Scrophularia nodosa</i> , L.                                  | —                  | —                |                                              |
| <i>Chelone glabra</i> , L.                                       | —                  | —                |                                              |
| <i>Penstemon pubescens</i> , Solander.                           | —                  | —                | Saskatchewan valley.                         |
| <i>Mimulus ringens</i> , L.                                      | —                  | —                | North-West coast.                            |
| <i>Gratiola Virginiana</i> , L.                                  | —                  | —                |                                              |
| <i>Olysanthus gratioloides</i> , Benth.                          | —                  | —                | Rocky Mountains, lat. 56° N.                 |
| <i>Veronica Anagallis</i> , L.                                   | —                  | —                |                                              |
| " <i>Virginica</i> , L., Gore Bay.<br>(Dr. Bell).                | —                  | —                | Norway House, Lake Winnipeg.                 |
| " <i>Americana</i> , Schwein.                                    | —                  | —                | North-West coast.                            |
| " <i>Scutellata</i> , L.                                         | —                  | —                | Sitka and Unalaska.                          |
| " <i>serpyllifolia</i> , L.                                      | —                  | —                | McKenzie River to Unalaska.                  |
| " <i>peregrina</i> , L.                                          | —                  | —                |                                              |
| " <i>arvensis</i> , L.                                           | —                  | —                | Saskatchewan valley.                         |
| <i>Gerardia purpurea</i> , L.                                    | —                  | —                |                                              |
| " <i>aspera</i> , Dougl. (Dr. John<br>Bell).                     | —                  | —                | Eastern flanks of Rocky Mts.                 |
| " <i>flava</i> , L.                                              | —                  | —                |                                              |
| " <i>quercifolia</i> , Pursh.                                    | —                  | —                | Saskatchewan valley.                         |
| <i>Castilleja coccinea</i> , Spreng.                             | —                  | —                | Lake Winnipeg.                               |
| <i>Pedicularis Canadensis</i> , L.                               | —                  | —                | Peace River valley, lat. 56° N.              |
| <i>Melampyrum Americanum</i> , Mx.                               | —                  | —                |                                              |
| VERBENACEÆ                                                       |                    |                  |                                              |
| <i>Verbena hastata</i> , L.                                      | —                  | —                | Saskatchewan valley.                         |
| " <i>urticifolia</i> , L.                                        | —                  | —                | Saskatchewan valley.                         |
| <i>Phryma Leptostachya</i> , L.                                  | —                  | —                |                                              |



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| LABIATÆ.                                                     |                     |                  |                                         |
| <i>Teucrium Canadense</i> , L. (R.<br>aux Sables).           | —                   | —                |                                         |
| <i>Mentha viridis</i> , L.                                   | —                   | —                |                                         |
| “ <i>piperita</i> , L.                                       | —                   | —                |                                         |
| “ <i>Canadensis</i> , L.                                     | —                   | —                | McKenzie River & Rocky Mts.             |
| <i>Lycopus Virginicus</i> , L.                               | —                   | —                | Saskatchewan valley.                    |
| “ <i>Europæus</i> , L., var. <i>sin-<br/>uatus</i> .         | —                   | —                | North-West coast of America.            |
| <i>Satureia hortensis</i> , L.                               | —                   | —                |                                         |
| <i>Calamintha glabella</i> , Benth.                          | —                   | —                |                                         |
| var. <i>Nuttallii</i> , Gray.                                | —                   | —                |                                         |
| <i>Calamintha Clinopodium</i> , Benth.                       | —                   | —                | Norway House, Lake Winnipeg.            |
| <i>Collinsonia Canadensis</i> , L.                           | —                   | —                |                                         |
| <i>Monarda didyma</i> , L.                                   | —                   | —                |                                         |
| <i>Monarda fistulosa</i> , L.                                | —                   | —                | Rocky Mountains, lat. 56° N.            |
| <i>Nepeta Cataria</i> , L.                                   | —                   | —                | Little Slave Lake.                      |
| <i>Brickellia vulgaris</i> , L.                              | —                   | —                | North-West coast.                       |
| <i>Scutellaria parvula</i> , Michx.                          | —                   | —                | Saskatchewan valley.                    |
| “ <i>galericulata</i> , L.                                   | —                   | —                | McKenzie River to Pacific c.            |
| “ <i>lateriflora</i> , L.                                    | —                   | —                | North-West America.                     |
| “ <i>versicolor</i> , ? Nutt. (Dr.<br>Bell).                 | —                   | —                |                                         |
| <i>Marrubium vulgare</i> , L.                                | —                   | —                |                                         |
| <i>Galeopsis Tetralix</i> , L.                               | —                   | —                |                                         |
| <i>Stachys palustris</i> , L. var. <i>as-<br/>pera</i> , Gr. | —                   | —                | N. W. America & McKenzie R.             |
| <i>Leonurus Cardiacæ</i> , L.                                | —                   | —                | Norway House, Lake Winnipeg.            |
| BORRAGINACEÆ                                                 |                     |                  |                                         |
| <i>Echium vulgare</i> , L.                                   | —                   | —                |                                         |
| <i>Symphytum officinale</i> , L.                             | —                   | —                |                                         |
| <i>Onosmodium Carolinianum</i> , D. C.                       | —                   | —                |                                         |
| <i>Lithospermum arvense</i> , L.                             | —                   | —                |                                         |
| “ <i>hirtum</i> , Lehm.                                      | —                   | —                |                                         |
| <i>Myosotis palustris</i> , With. var.<br><i>laxa</i> .      | —                   | —                |                                         |
| <i>Echinospermum Lappula</i> , Lehm.                         | —                   | —                | North-West Pacific coast.               |
| <i>Cynoglossum officinale</i> , L.                           | —                   | —                | Saskatchewan valley.                    |
| “ <i>Virginicum</i> , L.                                     | —                   | —                | Rocky Mountains, lat. 53° N.            |
| “ <i>Morisoni</i> , D. C.                                    | —                   | —                | Rocky Mountains, lat. 56° N.            |
| HYDROPHYLLACEÆ                                               |                     |                  |                                         |
| <i>Hydrophyllum Virginicum</i> , L.                          | —                   | —                | North-West Pacific coast.               |
| “ <i>Canadense</i> , L.                                      | —                   | —                |                                         |
| POLEMONIACEÆ                                                 |                     |                  |                                         |
| <i>Phlox divaricata</i> , L.                                 | —                   | —                |                                         |
| CONVOLVULACEÆ                                                |                     |                  |                                         |
| <i>Calystegia sepium</i> , R. Br.                            | —                   | —                | Rocky Mountains, lat. 53° N.            |
| <i>Calystegia spithamea</i> , Pursh.                         | —                   | —                | Saskatchewan valley.                    |
| <i>Cuscuta Gronovii</i> , Willd.                             | —                   | —                |                                         |

PLANTS OF THE EASTERN COAST OF LAKE HURON.

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| <b>SOLANACEÆ</b>                               |                     |                  |                                           |
| <i>Solanum Dulcamara</i> , L.                  | —                   | —                | North-West Pacific coast.                 |
| " <i>nigrum</i> , L.                           | —                   | —                | Saskatchewan River.                       |
| <i>Physalis grandiflora</i> , Hooker.          | —                   | —                |                                           |
| " <i>viscosa</i> , L.                          | —                   | —                |                                           |
| <i>Datura Stramonium</i> , L.                  | —                   | —                |                                           |
| <b>GENTIANACEÆ</b>                             |                     |                  |                                           |
| <i>Halenia deflexa</i> , Griseb.               | —                   | —                | Rocky Mountains, lat. 56° N.              |
| <i>Gentiana crinita</i> , Fries.               | —                   | —                | Bear Lake and Arctic Sea shore            |
| " <i>detonsa</i> , Fries.                      | —                   | —                |                                           |
| " <i>alba</i> , Muhl.                          | —                   | —                |                                           |
| " <i>Andrewsii</i> , Griseb.                   | —                   | —                |                                           |
| " <i>Saponaria</i> , L. var. <i>linearis</i> . | —                   | —                |                                           |
| <i>Menyanthes trifoliata</i> , L.              | —                   | —                | Rocky Mts. and N. W. coast.               |
| <b>APOCYNACEÆ</b>                              |                     |                  |                                           |
| <i>Apocynum androsaemifolium</i> , L.          | —                   | —                | Hudson's Bay.                             |
| " <i>Cannabinum</i> , L.                       | —                   | —                | Pacific coast in N. W. America            |
| <b>ASCLEPIADACEÆ</b>                           |                     |                  |                                           |
| <i>Asclepias Cornuti</i> , Decaisne.           | —                   | —                | Saskatchewan valley.                      |
| " <i>phytolaccoides</i> , Pursh.               | —                   | —                | Saskatchewan valley.                      |
| " <i>incarnata</i> , L.                        | —                   | —                | Carleton House, Saskatchewan              |
| " <i>tuberosa</i> , L.                         | —                   | —                |                                           |
| <b>OLEACEÆ</b>                                 |                     |                  |                                           |
| <i>Fraxinus Americana</i> , L.                 | —                   | —                | Saskatchewan valley.                      |
| " <i>pubescens</i> , Lam.                      | —                   | —                | Saskatchewan valley.                      |
| " <i>Sambucifolia</i> , Lam.                   | —                   | —                | Saskatchewan valley.                      |
| <b>ARISTOLOCHIACEÆ</b>                         |                     |                  |                                           |
| <i>Asarum Canadense</i> , L.                   | —                   | —                | Pacific coast.                            |
| <b>PHYTOLACCACEÆ</b>                           |                     |                  |                                           |
| <i>Phytolacca decandra</i> , L.                | —                   | —                |                                           |
| <b>CHENOPODIACEÆ</b>                           |                     |                  |                                           |
| <i>Chenopodium album</i> , L.                  | —                   | —                | Bear Lake, lat. 67° N.                    |
| " <i>hybridum</i> , L.                         | —                   | —                | Bear Lake, lat. 67° N.                    |
| " <i>urbeum</i> , L.                           | —                   | —                |                                           |
| " <i>Botrys</i> , L.                           | —                   | —                |                                           |
| <i>Blitum capitatum</i> , L.                   | —                   | —                | Great Slave Lake.                         |
| <b>AMARANTACEÆ</b>                             |                     |                  |                                           |
| <i>Amarantus paticulatus</i> , L.              | —                   | —                | Saskatchewan valley.                      |
| " <i>retroflexus</i> , L.                      | —                   | —                |                                           |
| " <i>albus</i> , L.                            | —                   | —                | A weed at Carleton, on the [Saskatchewan. |
| <i>Montelia tamariscina</i> , Gray.            | —                   | —                |                                           |
| <b>POLYGONACEÆ</b>                             |                     |                  |                                           |
| <i>Polygonum Pennsylvanicum</i> , L.           | —                   | —                | North-West coast of America               |
| " <i>incarnatum</i> , Ell.                     | —                   | —                |                                           |

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| <i>Polygonum Persicaria</i> , L.                             | —                  | —                | Saskatchewan valley.                                    |
| " <i>Hydropiper</i> , L.                                     | —                  | —                | Saskatchewan valley (indig.)                            |
| " <i>hydropiperoides</i> , Michx.                            | —                  | —                | "                                                       |
| " <i>amphibium</i> , L., var.<br><i>aquaticum</i> .          | —                  | —                | Great Slave Lake, lat. 60° N.                           |
| " <i>amphibium</i> , L., var. <i>ter-</i><br><i>restre</i> . | —                  | —                | North-West America.                                     |
| " <i>aviculare</i> , L.                                      | —                  | —                | North-West coast to lat. 65° N.                         |
| " <i>ramosissimum</i> , Michx.                               | —                  | —                | Saskatchewan valley.                                    |
| " <i>sagittatum</i> , L.                                     | —                  | —                | Saskatchewan valley.                                    |
| " <i>chinode</i> , Michx.                                    | —                  | —                | Hudson's Bay to Peace River                             |
| " <i>convolvulus</i> , L.                                    | —                  | —                | [valley, lat. 56° N.                                    |
| " <i>dumetorum</i> , L.                                      | —                  | —                |                                                         |
| <i>Fagopyrum esculentum</i> , Moench.                        | —                  | —                |                                                         |
| <i>Rumex Patientia</i> , L. (Colpoy's<br>Bay).               | —                  | —                | Rocky Mts. and Arctic Sea c.                            |
| " <i>orbiculatus</i> , Gray.                                 | —                  | —                |                                                         |
| " <i>Salicifolius</i> , Wein. (Col-<br>poy's Bay).           | —                  | —                | Great Bear Lake, McKenzie R.                            |
| " <i>verticillatus</i> , L.                                  | —                  | —                |                                                         |
| " <i>crispus</i> , L.                                        | —                  | —                |                                                         |
| " <i>obtusifolius</i> , L.                                   | —                  | —                |                                                         |
| " <i>aetosella</i> , L.                                      | —                  | —                | North-West Pacific coast.                               |
| LAURACEÆ                                                     |                    |                  |                                                         |
| <i>Sassafras officinale</i> , Nees.                          | —                  | —                |                                                         |
| <i>Lindera Benzoin</i> , Meisner.                            | —                  | —                |                                                         |
| THYMELÆACEÆ                                                  |                    |                  |                                                         |
| <i>Dirca palustris</i> , L.                                  | —                  | —                |                                                         |
| ELEAGNACEÆ                                                   |                    |                  |                                                         |
| <i>Shepherdia Canadensis</i> , Nutt.                         | —                  | —                | Fort Franklin, on the McKenzie<br>[and Rocky Mountains. |
| SANTALACEÆ                                                   |                    |                  |                                                         |
| <i>Comandra umbellata</i> , Nutt.                            | —                  | —                | Rocky Mountains, lat. 56° N.                            |
| SAURURACEÆ                                                   |                    |                  |                                                         |
| <i>Saururus cernuus</i> , L.                                 | —                  | —                |                                                         |
| CERATOPHYLLACEÆ                                              |                    |                  |                                                         |
| <i>Ceratophyllum demersum</i> , L.                           | —                  | —                |                                                         |
| CALLITRICACEÆ                                                |                    |                  |                                                         |
| <i>Callitriche verna</i> , L.                                | —                  | —                | Rocky Mountains, lat. 56° N.                            |
| EUPHORBIACEÆ                                                 |                    |                  |                                                         |
| <i>Euphorbia polygonifolia</i> , L. (R.<br>aux Sables).      | —                  | —                | North-West Pacific coast.                               |
| " <i>glyptosperma</i> , Engelm.                              | —                  | —                |                                                         |
| " <i>maculata</i> , L.                                       | —                  | —                |                                                         |
| " <i>corollata</i> , L.                                      | —                  | —                |                                                         |
| " <i>platyphylla</i> , L.                                    | —                  | —                |                                                         |
| " <i>Helioscopia</i> , L.                                    | —                  | —                |                                                         |
| <i>Acalypha Virginica</i> , L.                               | —                  | —                | Saskatchewan valley.                                    |

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| URTICACEÆ                                           |                  |                                         |
| <i>Ulmus fulva</i> , Michx.                         | —                | —                                       |
| “ <i>Americana</i> , L.                             | —                | —                                       |
| “ <i>racemosa</i> , Thomas.                         | —                | —                                       |
| <i>Urtica gracilis</i> , Ait.                       | —                | —                                       |
| <i>Laportea Canadensis</i> , Eaud.                  | —                | —                                       |
| <i>Pilea pumila</i> , Gray.                         | —                | —                                       |
| <i>Boehmeria cylindrica</i> , Willd.                | —                | —                                       |
| <i>Cannabis Sativa</i> , L.                         | —                | —                                       |
| PLATANACEÆ                                          |                  |                                         |
| <i>Platanus occidentalis</i> , L.                   | —                | —                                       |
| JUGLANDACEÆ                                         |                  |                                         |
| <i>Juglans cinerea</i> , L.                         | —                | —                                       |
| “ <i>nigra</i> , L.                                 | —                | —                                       |
| <i>Carya alba</i> , Nutt.                           | —                | —                                       |
| “ <i>amara</i> , Nutt.                              | —                | —                                       |
| CUPULIFERE.                                         |                  |                                         |
| <i>Quercus alba</i> , L.                            | —                | —                                       |
| “ <i>macrocarpa</i> , Michx.                        | —                | —                                       |
| “ <i>bicolor</i> , Willd.                           | —                | —                                       |
| “ <i>ilicifolia</i> , Wang.                         | —                | —                                       |
| “ <i>coccinea</i> , Wang., var.                     | —                | —                                       |
| “ <i>tinctoria</i> .                                | —                | —                                       |
| “ <i>rubra</i> , L.                                 | —                | —                                       |
| <i>Castanea vesca</i> , L., var. <i>Americana</i> . | —                | —                                       |
| <i>Fagus ferruginea</i> , Ait.                      | —                | —                                       |
| <i>Corylus Americana</i> , Walt.                    | —                | —                                       |
| “ <i>rostrata</i> , Ait.                            | —                | —                                       |
| <i>Carpinus Americana</i> , Michx.                  | —                | —                                       |
| <i>Ostrya Virginica</i> , Willd.                    | —                | —                                       |
| MYRICACEÆ                                           |                  |                                         |
| <i>Myrica Gale</i> , L.                             | —                | —                                       |
| BETULACEÆ                                           |                  |                                         |
| <i>Betula papyracea</i> , Ait.                      | —                | —                                       |
| “ <i>excelsa</i> , Ait.                             | —                | —                                       |
| “ <i>lenta</i> , L.                                 | —                | —                                       |
| “ <i>pumila</i> , L.                                | —                | —                                       |
| <i>Alnus incana</i> , Willd.                        | —                | —                                       |
| SALICACEÆ                                           |                  |                                         |
| <i>Salix candida</i> , Willd.                       | —                | —                                       |
| “ <i>humilis</i> , Marshall.                        | —                | —                                       |
| “ <i>discolor</i> , Muhl.                           | —                | —                                       |
| “ <i>petiolaris</i> , Smith.                        | —                | —                                       |
| “ <i>cordata</i> , Muhl.                            | —                | —                                       |
| “ <i>livida</i> , var. <i>occidentalis</i> .        | —                | —                                       |
| “ <i>lucida</i> , Muhl.                             | —                | —                                       |
| “ <i>nigra</i> , Marshall.                          | —                | —                                       |

York Factory, Hudson's Bay.

Fort Franklin, on the McKenzie  
[and Rocky Mountains.

Lake Winnipeg.

Saskatchewan valley.

North-West coast.  
Saskatchewan valley.

Lake Winnipeg.

McKenzie River valley.

Pacific coast, lat. 56° N.

Peace River valley, lat. 56° N.  
Ft. Franklin, on McKenzie Riv.

Ft. Norman, on the McKenzie.

Saskatchewan valley.  
Lake Winnipeg.Great Slave Lake.  
Rocky Mountains, lat 53° N.  
Rocky Mountains, lat. 52° N.

|                                                         | Eastern<br>Ontario. | Lake<br>Superior | Western and North-western<br>Extension. |
|---------------------------------------------------------|---------------------|------------------|-----------------------------------------|
| <i>Salix longifolia</i> , Muhl.                         | —                   | —                | West to the Pacific coast.              |
| <i>Populus tremuloides</i> , Michx.                     | —                   | —                | Rocky Mountains to lat. 64° N.          |
| <i>grandidentata</i> , Michx.                           | —                   | —                |                                         |
| <i>monilifera</i> , Ait.                                | —                   | —                |                                         |
| <i>balsamifera</i> , L.                                 | —                   | —                | Pacific coast, lat. 68° N.              |
| CONIFERÆ.                                               |                     |                  |                                         |
| <i>Pinus strobus</i> , L.                               | —                   | —                | West of the Rocky Mountains             |
| <i>resinosa</i> , Ait.                                  | —                   | —                | West of the Rocky Mountains             |
| <i>Abies nigra</i> , Poir.                              | —                   | —                | North to lat. 65° N.                    |
| <i>alba</i> , Mx.                                       | —                   | —                | Almost to the Arctic Sea.               |
| <i>Canadensis</i> , Mx.                                 | —                   | —                | Pacific coast, lat. 57° N.              |
| <i>balsamea</i> , Marshall.                             | —                   | —                | Little Slave Lake.                      |
| <i>Larix Americana</i> , Mx.                            | —                   | —                | Pence River valley, lat. 57° N.         |
| <i>Thuja occidentalis</i> , L.                          | —                   | —                | Saskatchewan valley.                    |
| <i>Juniperus communis</i> , L.                          | —                   | —                | Pacific coast.                          |
| <i>sabina</i> , L., var. <i>procumbens</i> , Ph.        | —                   | —                | Rocky Mountains.                        |
| <i>Taxus baccata</i> , L., var. <i>Canadensis</i> , Gr. | —                   | —                | Saskatchewan valley.                    |
| ARACEÆ.                                                 |                     |                  |                                         |
| <i>Arisæma triphyllum</i> , Torr.                       | —                   | —                |                                         |
| <i>Calla palustris</i> , L.                             | —                   | —                | Hudson's Bay and Saskatche-             |
| <i>Symplocarpus fetidus</i> .                           | —                   | —                | [wan valley.                            |
| <i>Orontium aquaticum</i> .                             | —                   | —                |                                         |
| <i>Acorus calamus</i> .                                 | —                   | —                | Saskatchewan valley.                    |
| TYPHACEÆ.                                               |                     |                  |                                         |
| <i>Typha latifolia</i> , L.                             | —                   | —                |                                         |
| <i>Sparganeum simplex</i> , Hudson,                     | —                   | —                |                                         |
| var. <i>angustifolium</i> .                             | —                   | —                | Great Bear Lake.                        |
| <i>Sparganeum curycarpum</i> , Engelm.                  | —                   | —                |                                         |
| LEMNACEÆ.                                               |                     |                  |                                         |
| <i>Lemna minor</i> , L.                                 | —                   | —                | Lat. 58° N., on McKenzie River.         |
| <i>trisulca</i> , L.                                    | —                   | —                | Lat. 58° N., on McKenzie River.         |
| <i>polyrhiza</i> , L.                                   | —                   | —                | Lat. 58° N., on McKenzie River.         |
| NAIADACEÆ.                                              |                     |                  |                                         |
| <i>Nais flexilis</i> , Rostk.                           | —                   | —                |                                         |
| <i>Potamogeton natans</i> , L.                          | —                   | —                | North-West coast.                       |
| <i>Claytonii</i> , Tuck.                                | —                   | —                |                                         |
| <i>amplifolius</i> , Tuck.                              | —                   | —                |                                         |
| <i>gramineus</i> , L.                                   | —                   | —                | Lake Athabaska.                         |
| <i>prælongus</i> , Wulf.                                | —                   | —                | Great Slave Lake.                       |
| <i>perfoliatus</i> , L.                                 | —                   | —                | Lake Athabaska.                         |
| <i>compressus</i> , L.                                  | —                   | —                |                                         |
| <i>pauciflorus</i> , Pursh.                             | —                   | —                |                                         |
| <i>pusillus</i> , L.                                    | —                   | —                | Lake Athabaska.                         |
| <i>pectinatus</i> , L.                                  | —                   | —                | North-West coast.                       |
| <i>heterophyllus</i> , Schreber.                        | —                   | —                | Saskatchewan valley.                    |

PLANTS OF THE EASTERN COAST OF LAKE HURON.

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|                                                            | Eastern<br>Ontario. | Lake<br>Superior | Western and North-western<br>Extension.                        |
|------------------------------------------------------------|---------------------|------------------|----------------------------------------------------------------|
| <b>ALISMACEÆ.</b>                                          |                     |                  |                                                                |
| <i>Triglochin palustre</i> , L.                            | —                   | —                | Peace River valley, lat. 56° N.                                |
| " <i>maritimum</i> , L., var. <i>elatum</i> .              | —                   | —                | North-West coast.<br>Rocky Mountains, lat. 55° N.              |
| <i>Scheuchzeria palustris</i> , L.                         | —                   | —                |                                                                |
| <i>Alisma Plantago</i> , L., var. <i>Americana</i> , Gray. | —                   | —                | Peace River valley, lat. 50° N.<br>Pacific coast.              |
| <i>Sagittaria variabilis</i> , Engelm.                     | —                   | —                |                                                                |
| " <i>calycina</i> , Eng. (Dr. J. Bell).                    | —                   | —                |                                                                |
| <b>HYDROCHARIDACEÆ.</b>                                    |                     |                  |                                                                |
| <i>Anacharis Canadensis</i> , Plan.                        | —                   | —                | Saskatchewan valley.                                           |
| <b>ORCHIDACEÆ.</b>                                         |                     |                  |                                                                |
| <i>Orchis spectabilis</i> , L.                             | —                   | —                |                                                                |
| <i>Habenaria virescens</i> , Sprong.                       | —                   | —                |                                                                |
| " <i>viridis</i> , var. <i>bracteata</i> , Reich.          | —                   | —                | Rocky Mountains, lat. 55° N.<br>Ft. Franklin, on the McKenzie. |
| " <i>hyperborea</i> , R. Br.                               | —                   | —                | North-West coast.                                              |
| " <i>dilatata</i> , Gray.                                  | —                   | —                | Bear Lake and N. W. coast.                                     |
| " <i>obtusata</i> , Rich.                                  | —                   | —                | Saskatchewan valley.                                           |
| " <i>orbiculata</i> , Torrey.                              | —                   | —                |                                                                |
| " <i>psychodes</i> , Gray.                                 | —                   | —                |                                                                |
| " <i>tridentata</i> , Hooker.                              | —                   | —                |                                                                |
| " <i>Hookeri</i> , Torrey.                                 | —                   | —                | Rocky Mts. and Fort Franklin,<br>[on the McKenzie].            |
| <i>Goodyera repens</i> , R. Br.                            | —                   | —                |                                                                |
| " <i>Menziesii</i> , Lind.                                 | —                   | —                |                                                                |
| <i>Spiranthes Romanzoviana</i> , Chap.                     | —                   | —                | Ft. Franklin, on the McKenzie.                                 |
| " <i>gracilis</i> , Bigel.                                 | —                   | —                | N. W. coast, Sitka, Unalaska.                                  |
| <i>Listera cordata</i> , R. Br.                            | —                   | —                | N. W. coast to Unalaska.                                       |
| " <i>convallarioides</i> , Hook.                           | —                   | —                |                                                                |
| <i>Pogonia ophioglossoides</i> , Nutt.                     | —                   | —                | Bear Lake and Pacific coast.                                   |
| <i>Calypso pulchellus</i> , R. Br.                         | —                   | —                |                                                                |
| <i>Calypso borealis</i> , Salisb.                          | —                   | —                | Saskatchewan valley.                                           |
| <i>Lipularia discolor</i> , Nutt.                          | —                   | —                | Pacific coast.                                                 |
| <i>Corallorhiza innata</i> , R. Br.                        | —                   | —                |                                                                |
| " <i>multiflora</i> , Nutt.                                | —                   | —                |                                                                |
| " <i>Macraei</i> , Gray.                                   | —                   | —                | Saskatchewan valley.                                           |
| <i>Cypripedium pubescens</i> , Willd.                      | —                   | —                | Rocky Mountains.                                               |
| " <i>parviflorum</i> , Salisb.                             | —                   | —                |                                                                |
| " <i>spectabile</i> , Swartz.                              | —                   | —                | Ft. Franklin, on McKenzie Riv.                                 |
| " <i>acaulis</i> , Ait.                                    | —                   | —                |                                                                |
| " <i>arietinum</i> , R. Br. (J. M. Buchan).                | —                   | —                | Saskatchewan valley.                                           |
| <b>AMARYLLIDACEÆ.</b>                                      |                     |                  |                                                                |
| <i>Hypoxys erecta</i> , L.                                 | —                   | —                |                                                                |
| <b>IRIDACEÆ.</b>                                           |                     |                  |                                                                |
| <i>Iris versicolor</i> , L.                                | —                   | —                |                                                                |
| " <i>lacustris</i> , Nutt.                                 | —                   | —                | Sitka and N. W. America.                                       |
| <i>Sisyrinchium Bermudiana</i> , L.                        | —                   | —                |                                                                |

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|--------------------------------------------------------------------------|---------------------|------------------|-----------------------------------------|
| SMILACEÆ.                                                                |                     |                  |                                         |
| <i>Smilax hispida</i> , Muhl.                                            | —                   | —                | Lake Winnipeg.                          |
| " <i>herbacea</i> , L.                                                   | —                   | —                |                                         |
| LILIACEÆ.                                                                |                     |                  |                                         |
| <i>Trillium grandiflorum</i> , Salisb.                                   | —                   | —                | North-West coast.                       |
| " <i>erectum</i> , L.                                                    | —                   | —                |                                         |
| " <i>erectum</i> , L., var. <i>album</i> ,<br>Pursh.                     | —                   | —                |                                         |
| " <i>erythrocarpum</i> , Michx.                                          | —                   | —                |                                         |
| <i>Medeola Virginica</i> , L.                                            | —                   | —                | Great Bear Lake & Rocky Mts.            |
| <i>Zygadenus glaucus</i> , Nutt.                                         | —                   | —                | Bear Lake to Sitka Sound.               |
| <i>Tofieldia glutinosa</i> , Willd.                                      | —                   | —                | Saskatchewan valley.                    |
| <i>Uvularia grandiflora</i> , Smith.                                     | —                   | —                | North-West coast.                       |
| <i>Streptopus roseus</i> , Michx.                                        | —                   | —                | Saskatchewan valley.                    |
| <i>Clintonia borealis</i> , Raf.                                         | —                   | —                | North-West America.                     |
| <i>Smilacina racemosa</i> , Desf.                                        | —                   | —                | North-West coast.                       |
| " <i>stellata</i> , Desf.                                                | —                   | —                | Bear Lake and Rocky Mts.                |
| " <i>trifolia</i> , Desf.                                                | —                   | —                | North-West coast.                       |
| " <i>bifolia</i> , Ker.                                                  | —                   | —                | Saskatchewan valley.                    |
| <i>Polygonatum biflorum</i> , Ell.                                       | —                   | —                | Rocky Mountains.                        |
| <i>Lilium Philadelphicum</i> , L.                                        | —                   | —                | North-West coast.                       |
| " <i>Canadense</i> , L.                                                  | —                   | —                |                                         |
| <i>Erythronium Americanum</i> ,<br>Smith.                                | —                   | —                |                                         |
| <i>Allium tricoccum</i> , Ait.                                           | —                   | —                | North-West coast.                       |
| " <i>Schoenoprasum</i> , L.                                              | —                   | —                |                                         |
| JUNCACEÆ.                                                                |                     |                  |                                         |
| <i>Juncus pilosa</i> , Willd.                                            | —                   | —                | Saskatchewan valley.                    |
| <i>Juncus alpinus</i> , Vill., var. <i>in-</i><br><i>signis</i> , Fries. | —                   | —                | Great Slave Lake.                       |
| " <i>articulatus</i> , L.                                                | —                   | —                | North-West coast.                       |
| " <i>Balticus</i> , Willd.                                               | —                   | —                | North-West coast.                       |
| " <i>bufonius</i> , L.                                                   | —                   | —                |                                         |
| " <i>Canadensis</i> , J. Gay, var.<br><i>coarctatus</i> , Eng.           | —                   | —                | Bear Lake.                              |
| " <i>effusus</i> , L.                                                    | —                   | —                | North-West coast.                       |
| " <i>filiformis</i> , L.                                                 | —                   | —                | Bear Lake.                              |
| " <i>nodosus</i> , L.                                                    | —                   | —                | Bear Lake.                              |
| " <i>tenuis</i> , Willd.                                                 | —                   | —                | Rocky Mts. and Bear Lake.               |
| " <i>Stygius</i> , L. (R. Bell,<br>La Cloche Island).                    | —                   | —                |                                         |
| PONTEDERIACEÆ.                                                           |                     |                  |                                         |
| <i>Pontederia cordata</i> , L.                                           | —                   | —                | Saskatchewan valley.                    |
| ERIOCAULONACEÆ.                                                          |                     |                  |                                         |
| <i>Eriocaulon septangulare</i> , Wish.                                   | —                   | —                | Saskatchewan valley.                    |
| EQUISETACEÆ.                                                             |                     |                  |                                         |
| <i>Equisetum arvense</i> , L.                                            | —                   | —                | Rocky Mountains.                        |
| " <i>pratense</i> , Ehr.                                                 | —                   | —                | Rocky Mountains.                        |
| " <i>sylvaticum</i> , L.                                                 | —                   | —                | Ft. Franklin, on the McKenzie.          |

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|------------------------------------------|---------------------|------------------|-----------------------------------------|
| <i>Equisetum limosum</i> , L.            | —                   | —                | Saskatchewan valley.                    |
| “ <i>palustre</i> , L.                   | —                   | —                | Arctic Sea coast.                       |
| “ <i>hyemale</i> , L.                    | —                   | —                | Western coast.                          |
| “ <i>variegatum</i> , Schleich.          | —                   | —                | Saskatchewan val. to Arctic Is.         |
| “ <i>scirpoides</i> , Michx.             | —                   | —                | Peace River valley, lat. 56° N.         |
| FILICES.                                 |                     |                  |                                         |
| <i>Polypodium vulgare</i> , L.           | —                   | —                | Vancouver Isl. and N.W. coast.          |
| <i>Pellaea gracilis</i> , Hook.          | —                   | —                | Saskatchewan valley.                    |
| “ <i>atropurpurea</i> , Link.            | —                   | —                | Rocky Mts. and Bear Lake.               |
| <i>Pteris aquilina</i> , L.              | —                   | —                | North-West coast.                       |
| <i>Adiantum pedatum</i> , L.             | —                   | —                | North-West coast.                       |
| <i>Scolopendrium vulgare</i> , Smith.    | —                   | —                | Saskatchewan valley.                    |
| <i>Camptosorus rhizophyllus</i> , Link.  | —                   | —                | North-West coast.                       |
| <i>Asplenium trichomanes</i> , L.        | —                   | —                | Rocky Mountains.                        |
| “ <i>viride</i> , Hudson.                | —                   | —                |                                         |
| “ <i>angustifolium</i> , Mx.             | —                   | —                |                                         |
| “ <i>thelypteroides</i> , Mx.            | —                   | —                | Sitka and N. W. coast.                  |
| “ <i>Filix-femina</i> , Bruh.            | —                   | —                | Bear Lake and Rocky Mts.                |
| <i>Phegopteris Dryopteris</i> , Fée.     | —                   | —                | Rocky Mountains.                        |
| <i>Aspidium lonchitis</i> , Schw.        | —                   | —                |                                         |
| “ <i>acrostichoides</i> , Schw.          | —                   | —                |                                         |
| “ <i>Thelypteris</i> , Schw.             | —                   | —                |                                         |
| “ <i>Novboracense</i> , Schw.            | —                   | —                |                                         |
| “ <i>spinulosum</i> , Schw., var.        | —                   | —                | Rocky Mountains.                        |
| “ <i>intermedium</i> , Willd.            | —                   | —                |                                         |
| “ <i>spinulosum</i> , Schw., var.        | —                   | —                |                                         |
| “ <i>Boottii</i> , Gray.                 | —                   | —                |                                         |
| “ <i>crustatum</i> , Schw.               | —                   | —                | Saskatchewan valley.                    |
| “ <i>crustatum</i> , Schw., var.         | —                   | —                |                                         |
| “ <i>Clintonianum</i> , Eat.             | —                   | —                |                                         |
| “ <i>Goldianum</i> , Hooker.             | —                   | —                |                                         |
| “ <i>Filix-mas</i> , Schw.               | —                   | —                | Saskatchewan valley.                    |
| “ <i>marginale</i> , Swartz.             | —                   | —                | Saskatchewan valley.                    |
| <i>Struthiopteris Germanica</i> , Willd. | —                   | —                | Saskatchewan valley.                    |
| <i>Onoclea sensibilis</i> , L.           | —                   | —                | Rocky Mountains.                        |
| <i>Cystopteris fragilis</i> , Bernh.     | —                   | —                |                                         |
| “ <i>bulbifera</i> , Bernh.              | —                   | —                | Saskatchewan valley.                    |
| <i>Osmunda regalis</i> , L.              | —                   | —                |                                         |
| “ <i>Claytoniana</i> , L.                | —                   | —                |                                         |
| “ <i>cinnamomea</i> , L.                 | —                   | —                |                                         |
| <i>Botrychium ternatum</i> , Swartz.     | —                   | —                | Peace River valley, lat. 56° N.         |
| “ <i>var. lunarioides</i> , Milde.       | —                   | —                | North-West coast.                       |
| <i>Botrychium Virginicum</i> , Swartz.   | —                   | —                |                                         |
| LYCOPODIACEÆ.                            |                     |                  |                                         |
| <i>Lycopodium lucidulum</i> , Michx.     | —                   | —                | Peace River valley, lat. 56° N.         |
| “ <i>annotinum</i> , L.                  | —                   | —                | Slave Lake.                             |
| “ <i>dendroideum</i> , Mx.               | —                   | —                | Saskatchewan valley.                    |
| “ <i>clavatum</i> , L.                   | —                   | —                | North-West coast.                       |
| “ <i>complanatum</i> , L.                | —                   | —                | Peace River valley, lat. 56° N.         |
| <i>Selaginella selaginoides</i> , Link.  | —                   | —                | Saskatchewan valley.                    |
| “ <i>rupestris</i> , Spring.             | —                   | —                | North-West coast.                       |
| “ <i>apus</i> , Spring.                  | —                   | —                |                                         |



In the following list no distribution has been attempted, inasmuch as we are yet in comparative ignorance regarding their range through British North America :

## CYPERACEÆ.

*Cyperus diandrus*, Torr.  
*Dulichium spathaceum*, Rich.  
*Eleocharis obtusa*.  
 " *palustris*, R. Br.  
 " *acicularis*, Torr. and Gr.  
*Scirpus pauciflorus*, Light.  
 " *cuspidatus*, L.  
 " *pungens*, Vahl.  
 " *riparius*, Presl.  
 " *sylvaticus*, L.  
 " *atrovirens*, Muhl.  
 " *Eriophorum*, Michx.  
*Eriophorum alpinum*, L.  
 " *polystachyon*, L.  
 " *Virginicum*, L.  
 " *gracile*, Koch.  
*Rhynchospora alba*, Vahl.  
 " *capillacea*, Torr.  
*Cladium mariscoides*, Torr.  
*Scleria verticillata*, Muhl.  
*Carex gynocrates*, Wormsk.  
 " *monosperma*, Macoun.  
 " *scirpoides*, Michx.  
 " *polytrichoides*, Muhl.  
 " *siccata*, Dewey.  
 " *teretiuscula*, Good.  
 " *vulpinoidea*, Michx.  
 " *stipata*, Muhl.  
 " *rosea*, Schk.  
 " *tenella*, Schk.  
 " *trisperma*, Dewey.  
 " *canescens*, L.  
 " *Deweyana*, Schw.  
 " *stellulata*, Good.  
 " *sychnocephala*, Carey.  
 " *scoparia*, Schk.  
 " *straminea*, Schk.  
 " *stricta*, Lam.  
 " *aquatilis*, Wahl.  
 " *lenticularis*, Michx.  
 " *limosa*, L.  
 " *irrigua*, Smith.  
 " *Buxbaumii*, Willd.  
 " *aurea*, Nutt.  
 " *livida*, Willd.  
 " *tetanica*, Schk.  
 " *Crawei*, Dewey.  
 " *granularis*, Dewey.  
 " *gracillima*, Schw.  
 " *plantaginea*, Lam.  
 " *platyphylla*, Cary.

## CYPERACEÆ—Continued.

*Carex laxiflora*, Lam.  
 " *eburnea*, Booth.  
 " *vaginata*, Tausch.  
 " *pedunculata*, Muhl.  
 " *Pennsylvanica*, Lam.  
 " *varia*, Muhl.  
 " *scabrata*, Schw.  
 " *arctata*, Booth.  
 " *flexilis*, Rudge.  
 " *flava*, L.  
 " *Eleri*, Ehrh.  
 " *filiformis*, L.  
 " *lanuginosa*, Michx.  
 " *riparia*, Curtis.  
 " *Pseudo-Cyperus*, L.  
 " *hystericina*, Willd.  
 " *intumescens*, Rudge.  
 " *lupulina*, Muhl.  
 " *retrota*, Schw.  
 " *nutriculata*, Booth.  
 " *Tuckermanni*, Booth.

## GRAMINEÆ.

*Leersia oryzoides*, Swartz.  
*Zizania aquatica*, L.  
*Alopecurus aristulatus*, Mx.  
*Phleum pratense*, L.  
*Vilfa vaginiflora*, Torr.  
*Sporobolus heterolepis*, Gray.  
 " *cryptandrus*, Gray.  
*Agrostis scabra*, Willd.  
 " *vulgaris*, Willd.  
 " *alba*, L.  
*Cinna arundinacea*, L.  
*Muhlenbergia glomerata*, Trin.  
 " *Mexicana*, Trin.  
*Brachyelytrum aristatum*, Beauv.  
*Calamagrostis Canadensis*, Beauv.  
 " *stricta*, Trin.  
 " *arenaria*, Roth.  
*Oryzopsis asperifolia*, Michx.  
*Spartina cynosuroides*, Willd.  
*Graphephorum melicoides*, Beauv.  
*Eatonia obtusata*, Gray.  
 " *Pennsylvanica*, Gray.  
*Glyceria nervata*, Trin.  
 " *pallida*, Trin.  
 " *aquatica*, Smith.  
 " *fluitans*, R. Brown.  
*Poa annua*, L.

## GRAMINEAE—Continued.

- Poa serotina*, Ehrh.  
 " *caesia*, Smith.  
 " *pratensis*, L.  
 " *compressa*, L.  
*Festuca ovina*, L. var.  
 " *nutans*, Willd.  
*Bromus scaberrimus*, L.  
 " *ciliatus*, L.  
*Phragmites communis*, Trin.  
*Triticum repens*, L.  
*Elymus Virginicus*, L.  
 " *Canadensis*, L.  
*Gymnostichum Hystrix*, Schreb.  
*Aira flexuosa*, L.  
 " *caespitosa*, L.  
*Danthonia spicata*, Beauv.  
*Avena striata*, Michx.  
*Phalaris arundinacea*, L.  
*Milium effusum*, L.  
*Panicum glabrum*, Gand.  
 " *capillare*, L.  
 " *virgatum*, L.  
 " *latifolium*, L.  
 " *xanthophysum*, Gray.  
 " *dichotomum*, L.  
 " *depauperatum*, Muhl.  
 " *Cris-Galli*, L.  
*Setaria verticillata*, Beauv.  
 " *glauca*, Beauv.  
 " *viridis*, Beauv.  
*Andropogon furcatus*, Muhl.  
 " *scoparius*, Michx.  
*Sorghum nutans*, Gray.

## MUSCI.

- Sphagnum cymbifolium*, Dill.  
 " *acutifolium*, Ehrh.  
*Gymnostomum curvirostrum*, Hed.  
 " *calcareum*, Nees.  
 " *rupestre*, Schw.  
*Seligeria recurvata*, Br. and Sch.  
 " *pusilla*, Br. and Schimp.  
*Anodus Dormianus*, Br. and Schimp.  
*Trematodon ambigua*, James.  
*Dicranum viridissimum*, Sulliv.  
 " *virens*, Hedw.  
 " *varium*, Hedw.  
 " *heteromallum*, Hedw.  
 " *Schreberi*, Hedw.  
 " *montanum*, Hedw.  
 " *flagellare*, Hedw.  
 " *fulvum*, Hook.  
 " *congestum*, Hedw.  
 " *scoparium*, L.  
 " *Schraderi*, Web and Mohr.  
 " *undulatum*, Torr.  
 " *Drummondii*, Mull.

## MUSCI—Continued.

- Ceratodon purpureus*, Brid.  
*Leucobryum glaucum*, Hampe.  
*Fissidens minutulus*, Sulliv.  
 " *incurvis*, Sulliv.  
 " *osmundioides*, Hedw.  
 " *adiantoides*, Hedw.  
 " *grandifrons*, Brid.  
 " *taxifolius*, Brid.  
*Trichostimum rigidulum*, Smith.  
 " *pallidum*, Hedw.  
 " *glaucescens*, Hedw.  
 " *trophaceum*, Brid.  
*Barbula unguiculata*, Hedw.  
 " *convoluta*, Hedw.  
 " *fallax*, Hedw.  
 " *tortuosa*, Web and Mohr.  
 " *ruralis*, Hedw.  
*Didymodon rubellus*, Br. and Sch.  
 " *luridus*, Hornich.  
 " *cylindricus*, Bruch.  
*Distichium capillaceum*, Bruch.  
*Tetraphis pellucida*, Hedw.  
*Encalypta ciliata*, Hedw.  
 " *streptocarpa*, Hedw.  
*Drummondia clavata*, Hook.  
*Orthotrichum anomalum*, Hedw.  
 " *strigulatum*, Bruch.  
 " *Ohioense*, Sulliv.  
 " *speciosum*, Nees.  
 " *leiocarpum*, Br.  
 " *Ludwigii*, Schw.  
 " *Hutchinsiae*, Smith.  
 " *crispum*, Hedw.  
 " *crispulum*, Hornsch.  
 " *Bruchii*, Brid.  
 " *Americanum*, Mit.  
*Schistidium apocarpum*, Br.  
*Hedwigia ciliata*, Ehrh.  
*Diphyseium foliosum*, Web.  
*Atrichum angustatum*, Br.  
 " *undulatum*, Beauv.  
*Polytrichum commune*, L.  
 " *formosum*, Hedw.  
 " *gracile*, Menzies.  
 " *juniperinum*, Hedw.  
*Timmia megapolitana*, Hedw.  
*Aulacomnium heterostichum*, Br.  
*Aulacomnium palustre*, Schw.  
*Bryum pyriforme*, Hedw.  
 " *amietinum*, Hedw.  
 " *albicans*, Whl.  
 " *nutans*, Schreb.  
 " *roseum*, Schreb.  
 " *argenteum*, L.  
 " *Pseudo-triquetrum*, Hedw.  
 " *Duvallii*, Voit.  
 " *bimum*, Schreb.

## MUSCI—Continued.

- Bryum* intermedium, Brid.  
     " capillare, Hedw.  
     " caespitium, L.  
     " pallescens, Schw.  
     " Blindii.  
*Mnium* affine, Bland.  
     " orthorhynchium, Brid.  
     " stellare, Hedw.  
     " lycopodioides, Hook.  
     " punctatum, Hedw.  
     " serratum, Brid.  
     " spinulosum, Bry. Enop.  
     " Drummondii, Br. and Sch.  
     " cuspidatum, Hedw.  
     " rostratum, Schw.  
*Bartramia* Olderi, Swartz.  
     " pomiformis, Hedw.  
     " fontana, Brid.  
     " Marchica, Brid.  
     " calcarea, Br. and Sch.  
*Meesia* uliginosa, Hedw.  
*Cotocopium* nigratum, Brid.  
*Funaria* hygrometrica, Hedw.  
*Fontinalis* antypyretica, L.  
*Leucodon* julaceus, Sulliv.  
*Leptodon* trichomitrium, Mohr.  
*Anomodon* viticulosus, Host.  
     " apiculatus, Br. and Sch.  
     " obtusifolius, Br. and Sch.  
     " attenuatus, Hedw.  
*Leskea* nervosa, Schw.  
     " rostrata, Hedw.  
     " Woolci, Austin.  
*Thelia* hirtella, Sulliv.  
*Mymella* Careyana, Sulliv.  
     " julacea, Bry. Enop.  
*Pylaisia* intricata, Br. Enop.  
     " polyantha, Br. Europ.  
*Platygyrium* repens, Br. Europ.  
*Cylindrothecium* cladorrhizans, Hedw.  
*Neckera* pennata, Hedw.  
*Omalia* trichomanoides, Brid.  
*Climacium* Americanum, Brid.  
     " dendroides, Dill.  
*Hypnum* tamariscinum, Hedw.  
     " deticulatum, L.  
     " minutum, Hedw.  
     " scitum, Beauv.  
     " gracile, Br. and Sch.  
     " abietinum, L.  
     " Blandovii, Web.  
     " trigentum, L.  
     " splendens, Hedw.  
     " brovirostre, Ehrh.  
     " Oakesii, Sulliv.  
     " Alleghaniense, C. Mull.  
     " strigosum, Hoffm.

## MUSCI—Continued.

- Hypnum* deplanatum, Schimp.  
     " rusciforme, Weis.  
     " Sullivantii, R. Spruce.  
     " recurvans, Schw.  
     " Schraderi, Willd.  
     " cordifolium, Hedw.  
     " giganteum, Schimp.  
     " scorpioides, L.  
     " Cononi, Br. and Schimp.  
     " trifarium, Weis.  
     " uncinatum, Hedw.  
     " fidicinium, L.  
     " Crista-Castriense, L.  
     " imponens, Hedw.  
     " reptile, Michx.  
     " curvifolium, Hedw.  
     " Haldanianum, Grev.  
     " fertile, Le. v. d. t.  
     " nitens, Schreb.  
     " salebrosum, Hoffm.  
     " letum, Brid.  
     " acuminatum, Beauv.  
     " rutabulum, L.  
     " velutinum, L.  
     " rivulare, L.  
     " pratense, Hook.  
     " hispidulum, Brid.  
     " polymorphum, Bry. Em.  
     " Sommerfeltii, Myrin.  
     " chrysophyllum, Brid.  
     " minutissimum, Sulliv.  
     " subtile, Hoffm.  
     " plumosum, L.  
     " populeum, Hedw.  
     " aduncum, Hedw.  
     " reflexum, Starke.  
     " adnatum, Sulliv.  
     " noterophyllum, Sulliv.  
     " serpens, Hedw.  
     " confervoides, Schw.  
     " radicale, Brid.  
     " orthocladon, Beauv.  
     " riparium, Hedw.  
     " denticulatum, L.  
     " pulchellum, Dick.  
     " turfaccum, Lindb.  
     " compactum, C. Mull.  
     " palustre, L.  
     " nitidulum, L.  
     " sylvaticum, L.

## HEPATICÆ.

- Marchantia* polymorpha, L.  
*Freissia* commutata, Nees.  
*Fegatella* conica, Corda.  
*Aneura* latifrons, Lind.  
*Steetzia* Blyttii, Moench.

HEPATICÆ—Continued.

*Geocalyx graveolens*, Nees.  
*Lophocolea heterophylla*, Nees.  
 " *crocata*, Nees.  
*Jungermannia trichophylla*, L.  
 " *connivens*, Dick.  
 " *curvifolia*, Dick.  
 " *Schraderi*, Martin.  
*Scapania Peckii*, Austin.  
 " *nemorosa*, Nees.  
*Sphanacetis Hubnaria*, Raben.  
*Plagiochela porcelloides*, Lind.  
*Frullania Grayana*, Montag.  
 " *Virginica*, Gott.

HEPATICÆ—Continued.

*Frullania Eboracensis*, Lehm.  
*Jejennia serpyllifolia*, Libert.  
*Madotheca platyphylla*, Dumut.  
 " *porcella*, Nees.  
*Radula complanata*, Du.  
*Ptilidium ciliare*, Nees.  
*Trichocolea Tormentilla*, Nees.  
*Mastigobryum trilobatum*, Nees.  
*Lepidozia reptans*, Nees.  
*Calypoglia Trichomanes*, Cerd.  
*Jungermannia cordifolia*, Hook.  
*Riccia Sorocarpa*, Bisch.  
*Chylocyphus ascendens*, Sulliv.





